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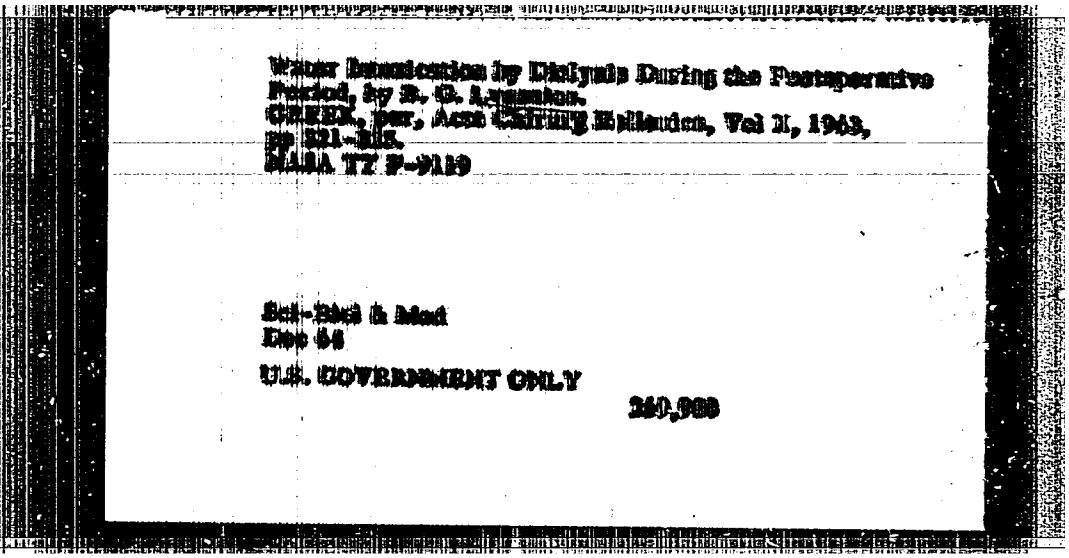

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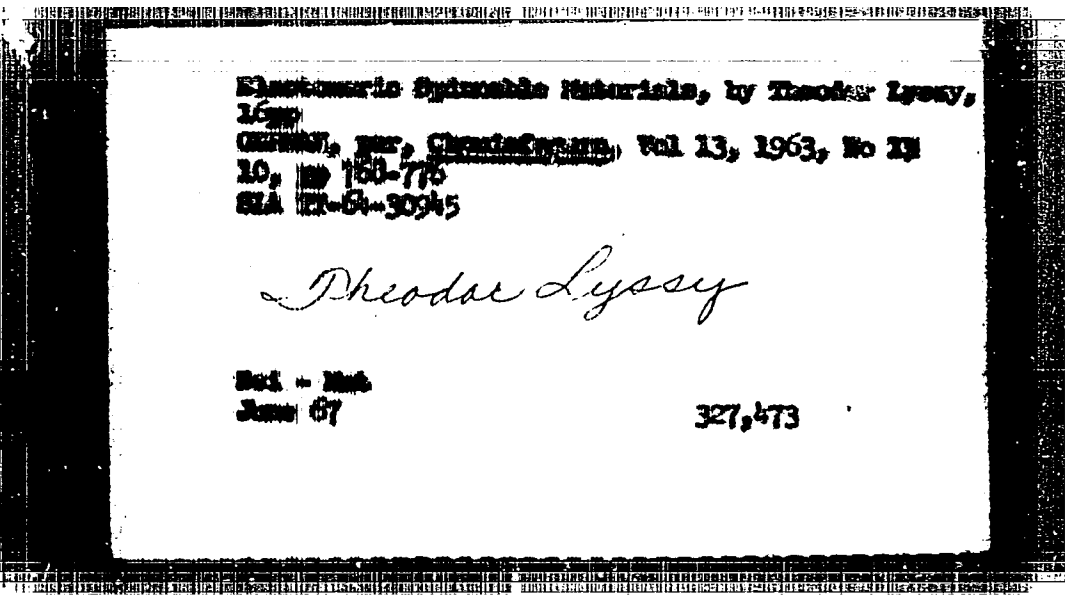

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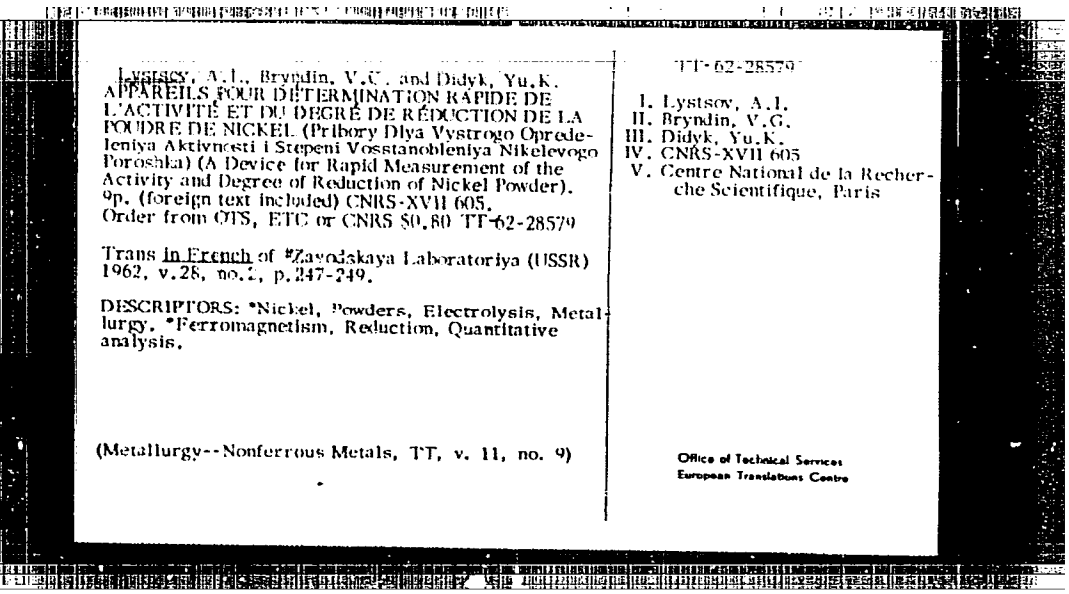

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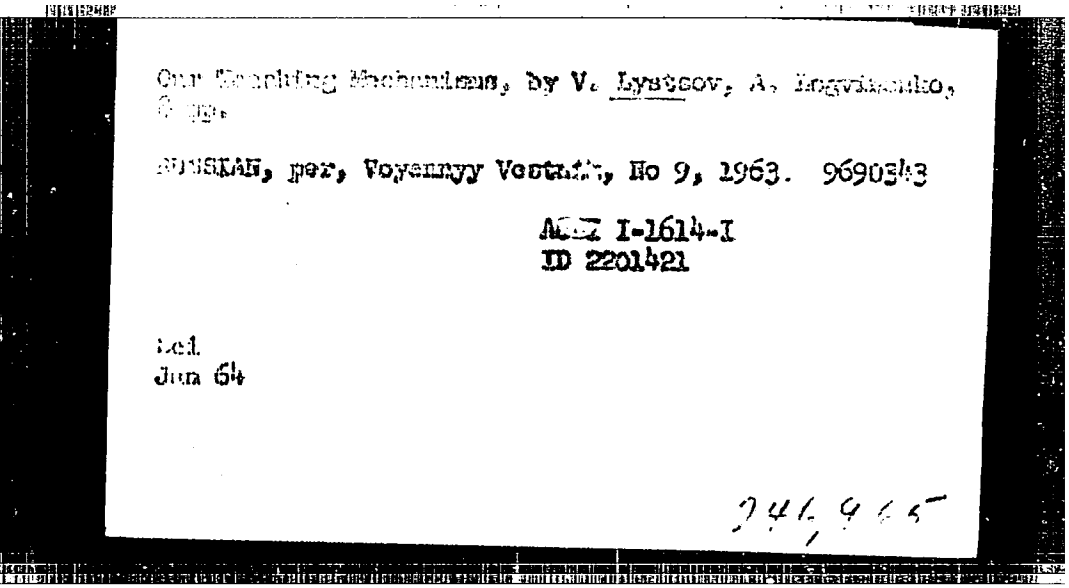

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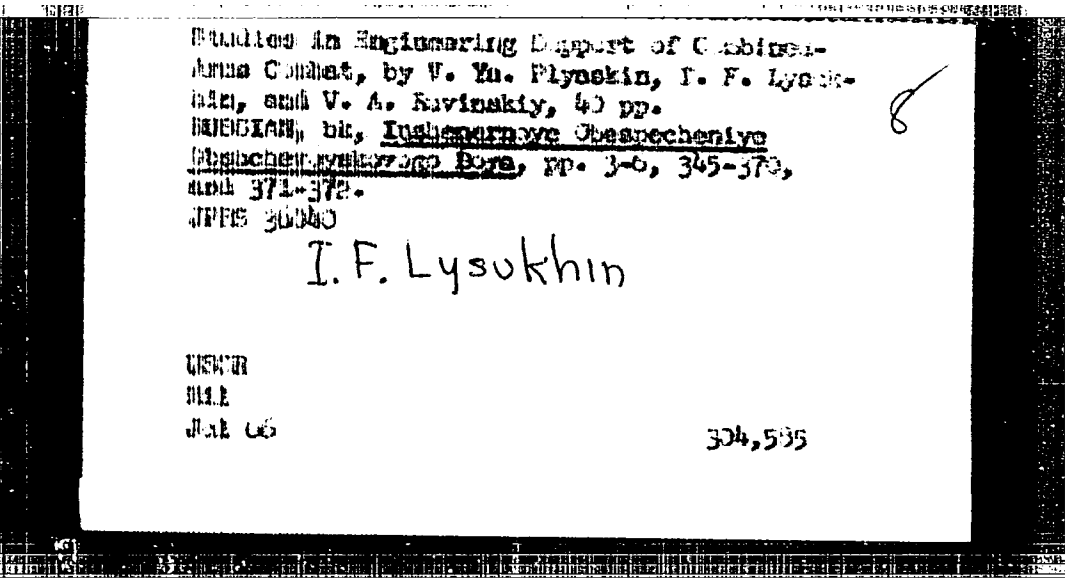

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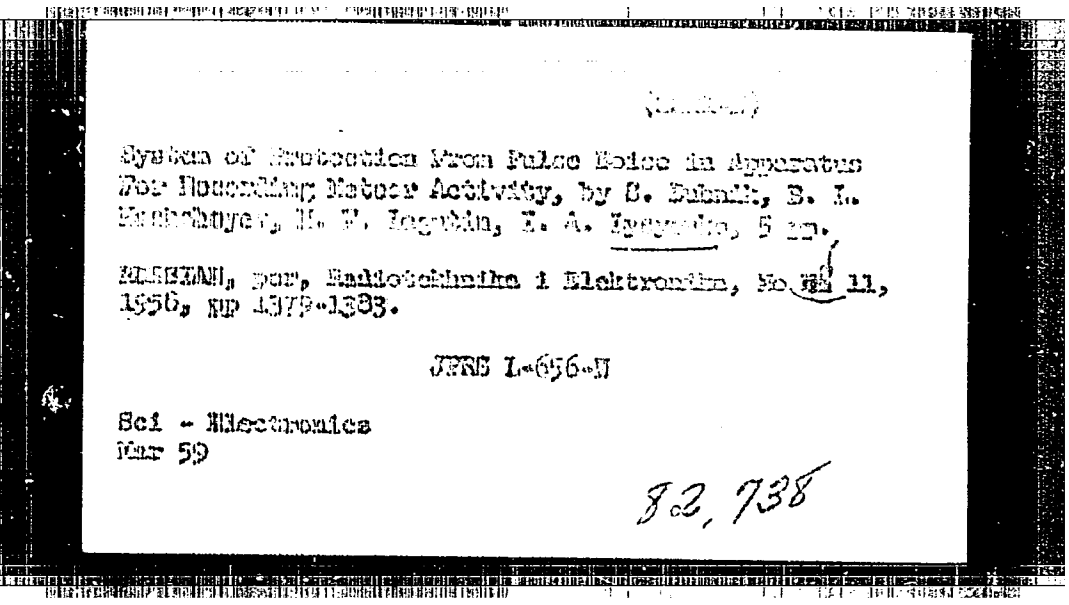

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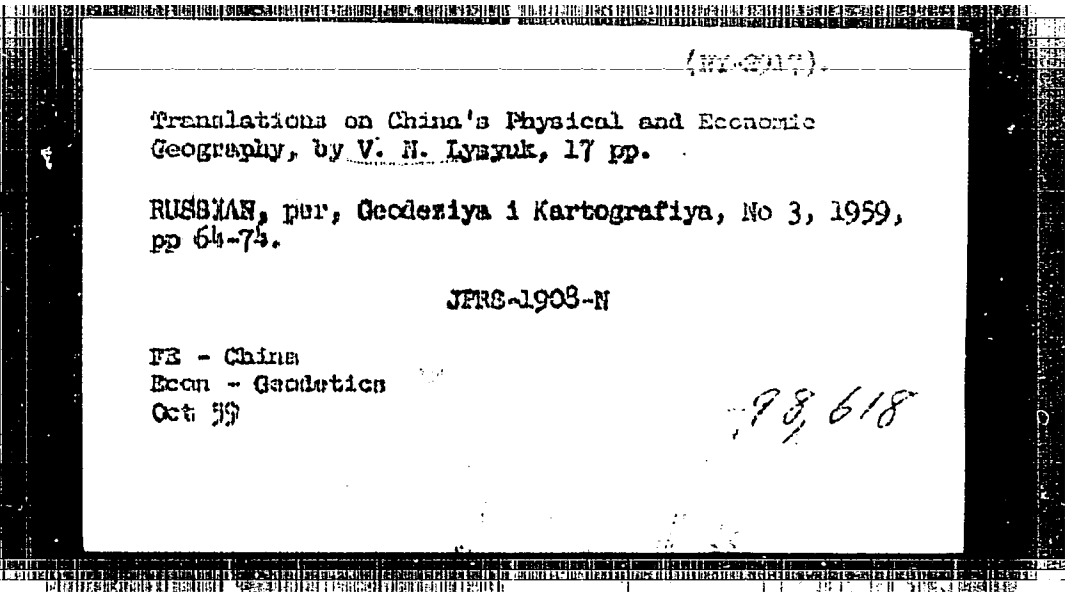

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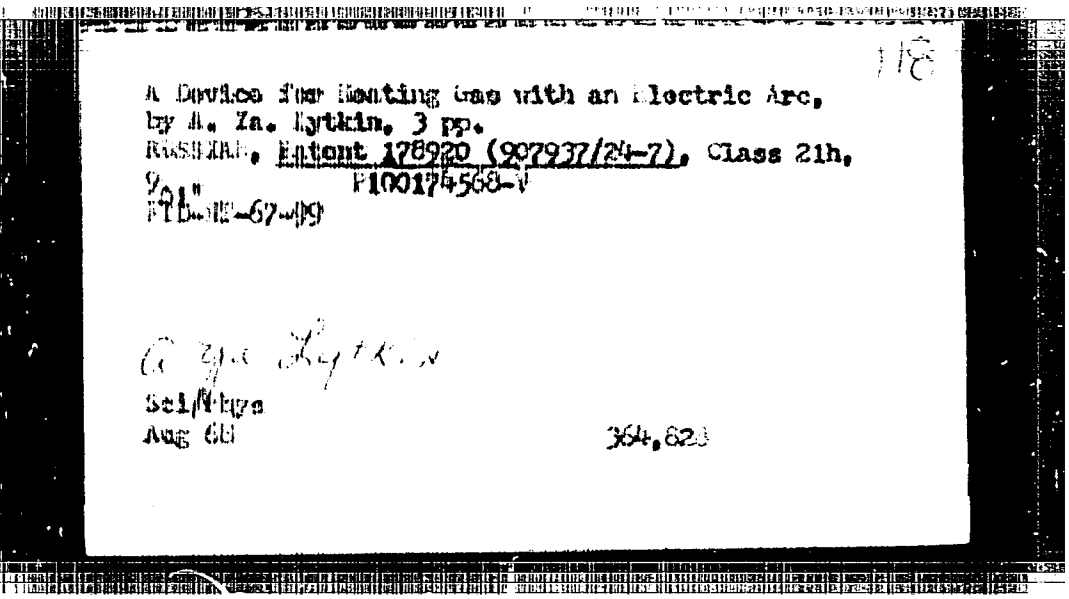

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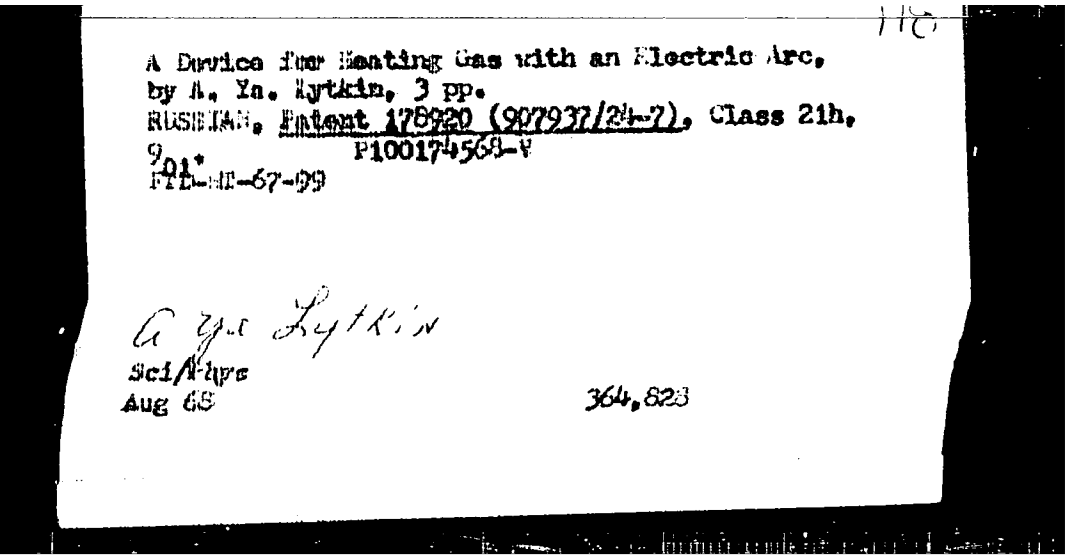

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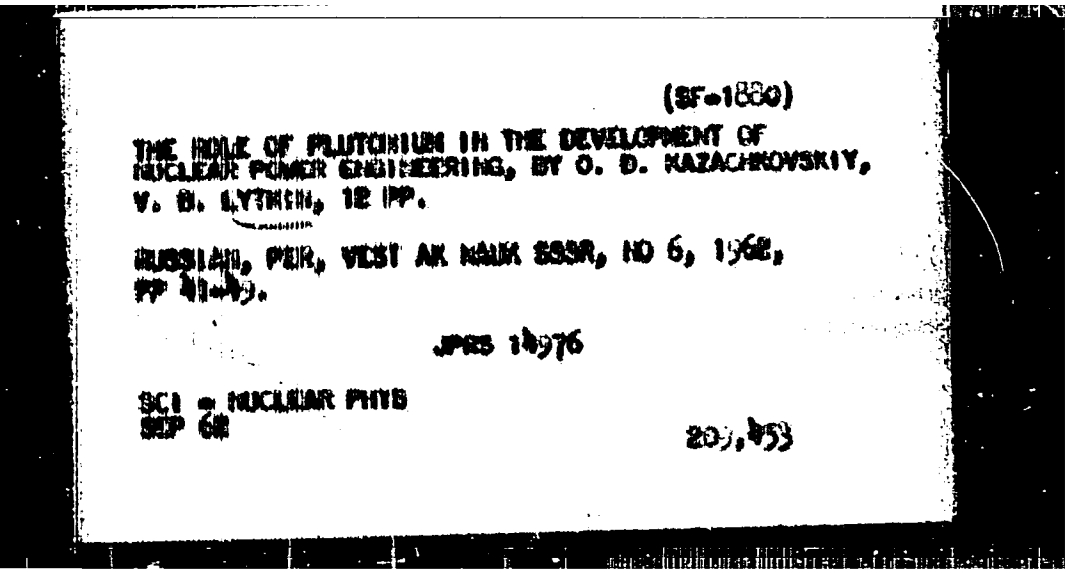

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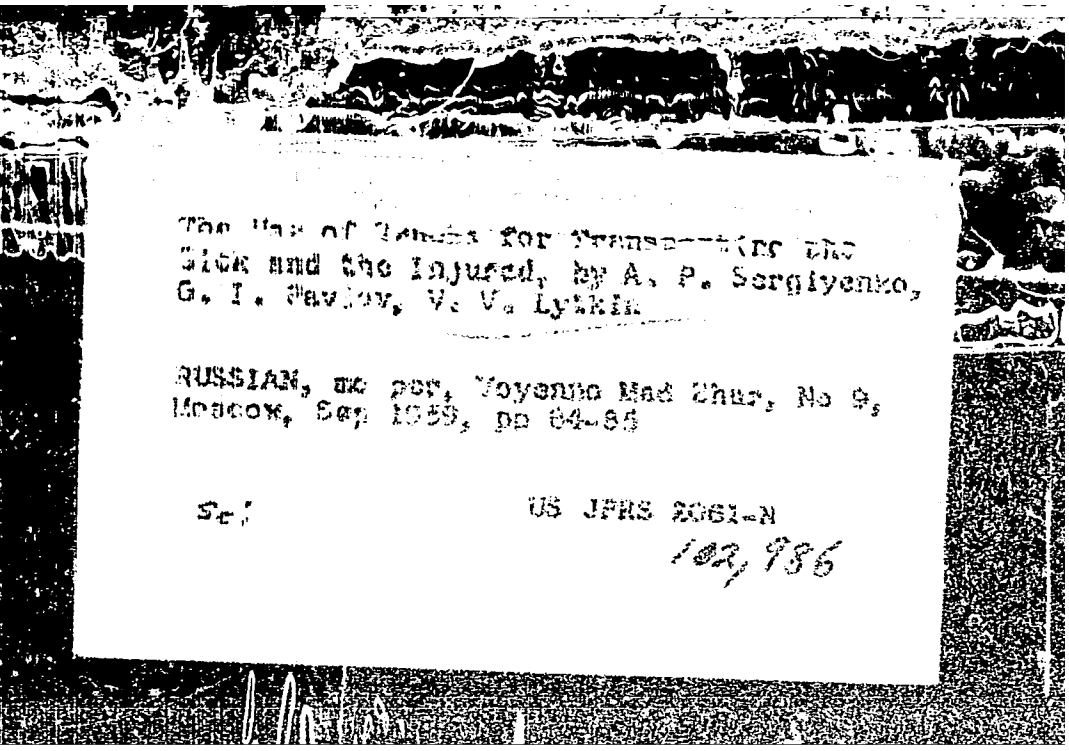

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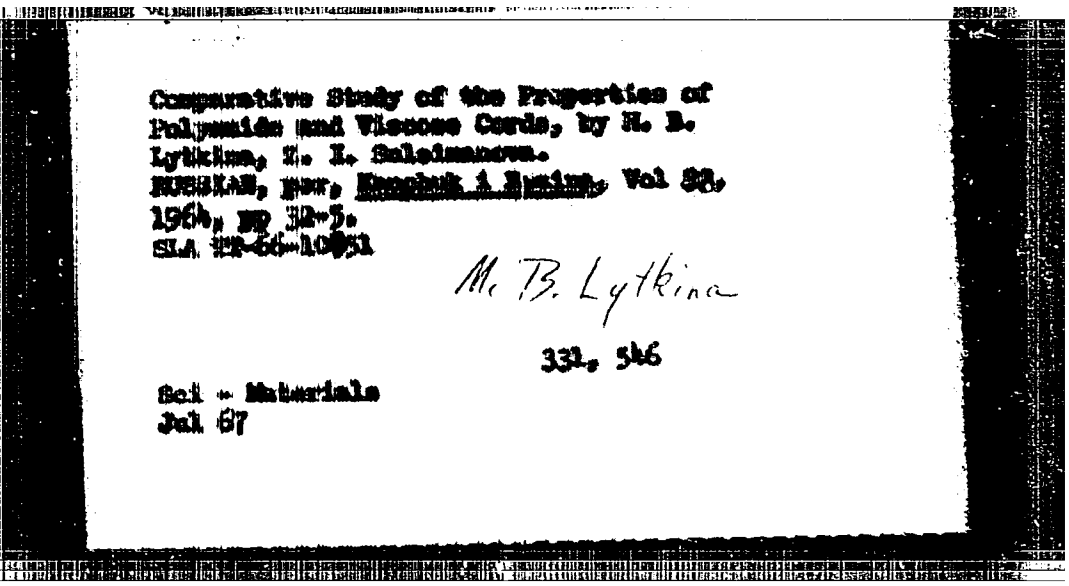

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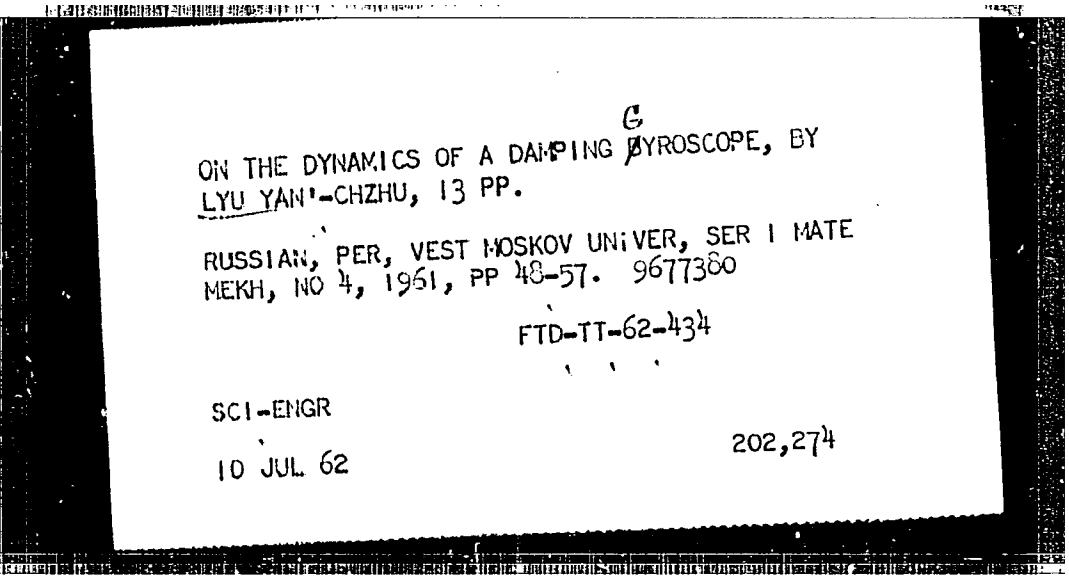

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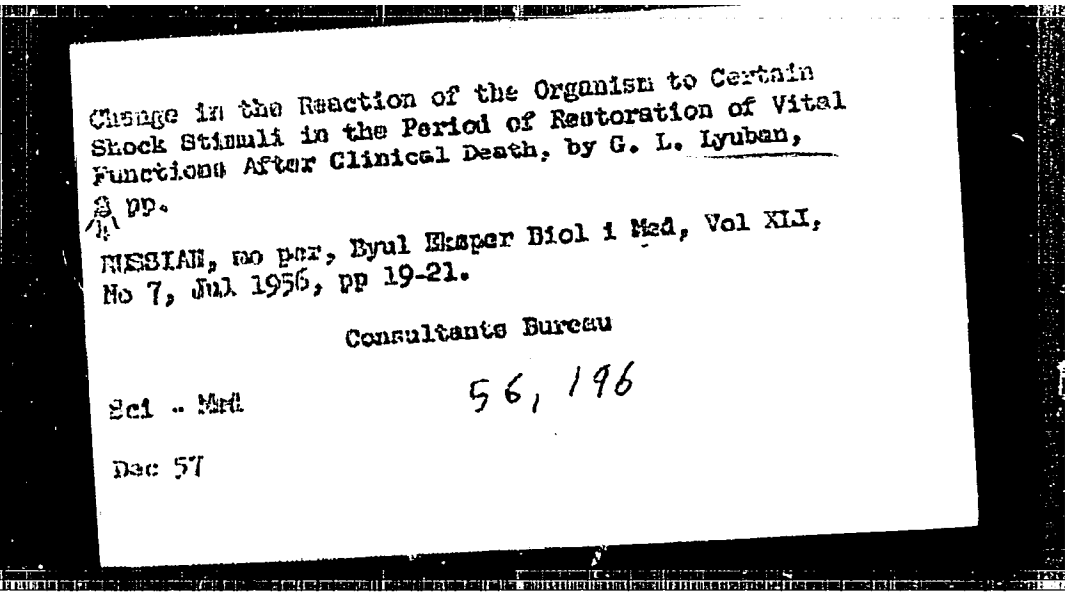

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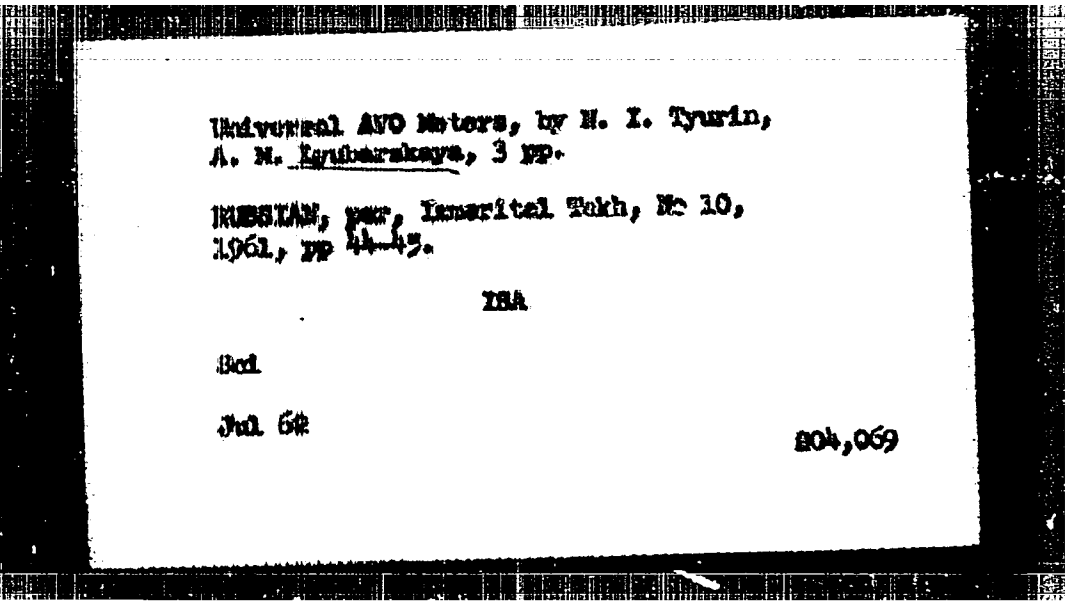

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DESCRIPTORS: *Butanes, Dehydrogenation, Reaction kinetics, *Butenes, Production, Aluminum compounds, Oxides, Chromium, Catalysts, Catalysis.

Butylene inhibits the reaction of butane dehydrogenation on chromia-alumina catalyst, in the interval of 460-500 C and of partial pressures of the butane 0.1-1 atm. The kinetics of the dehydrogenation reaction is described by the equation $w = kc_1/c_2^{0.5}$.

The apparent activation energy is 40,000 ± 1,000 cal/mole. (Author)
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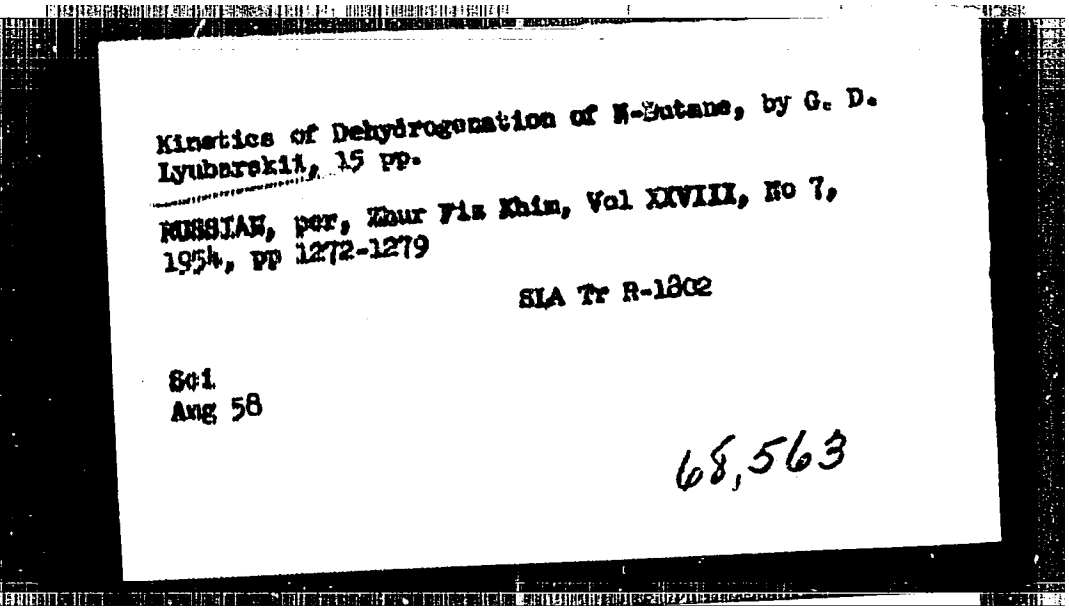

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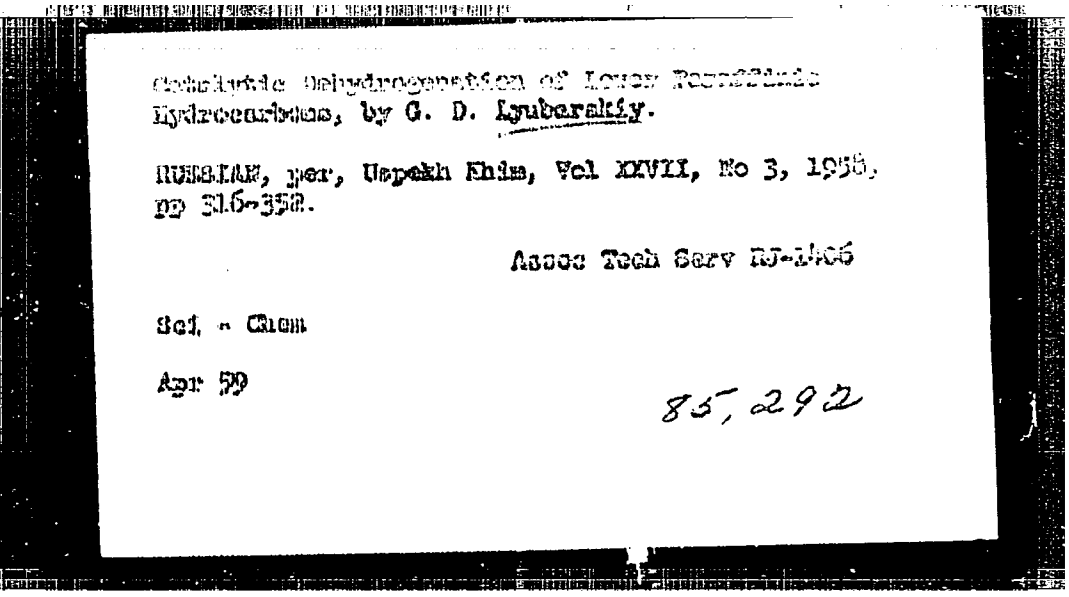

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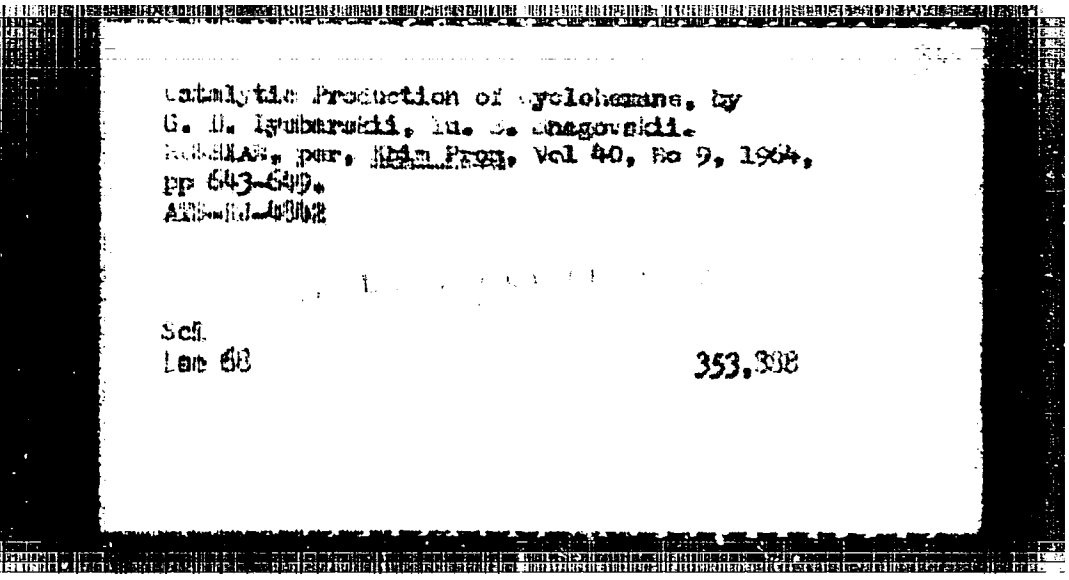

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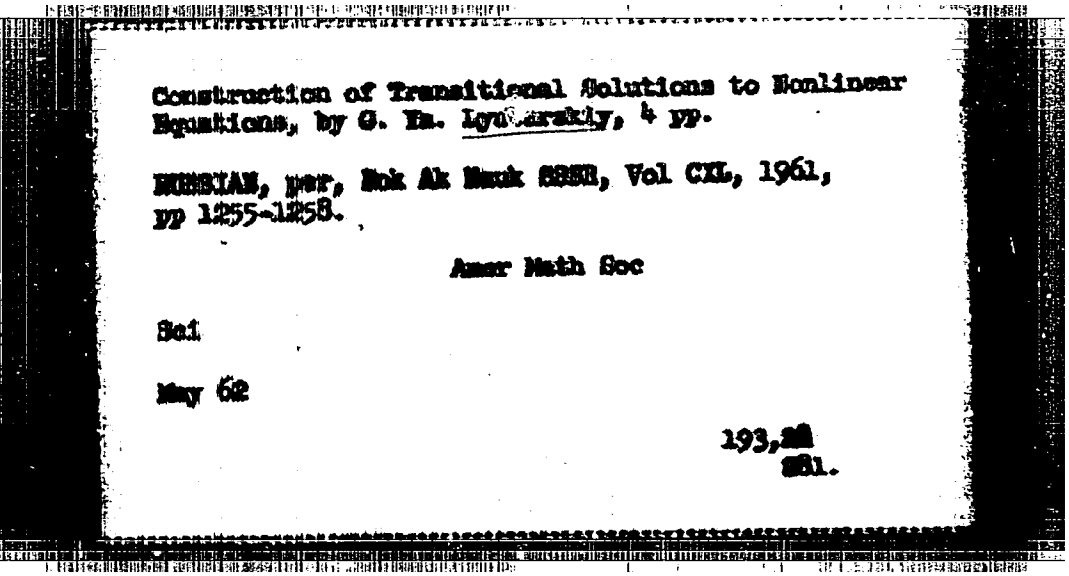

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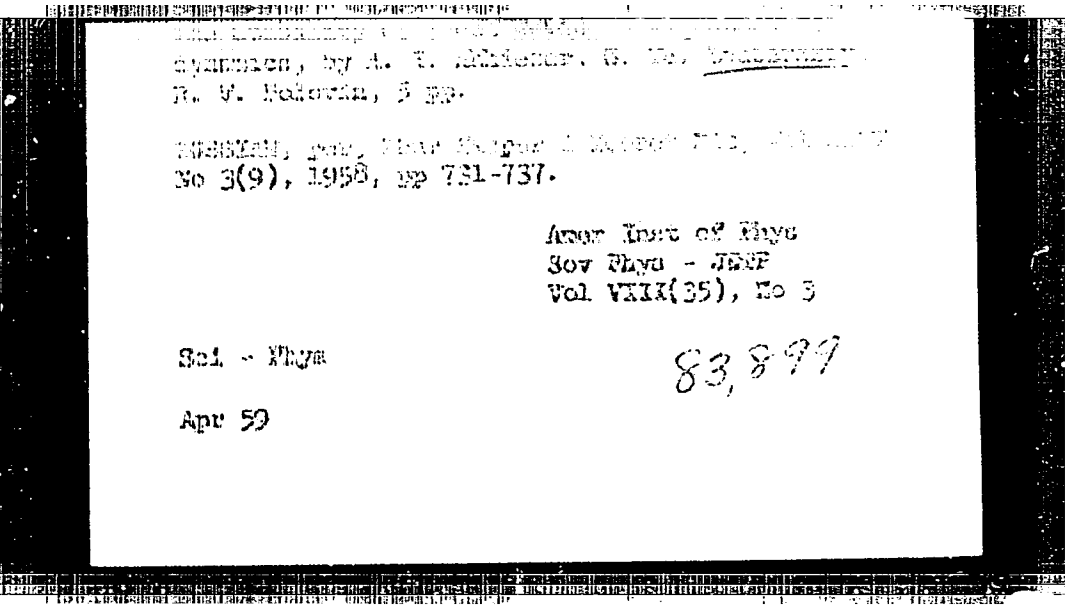

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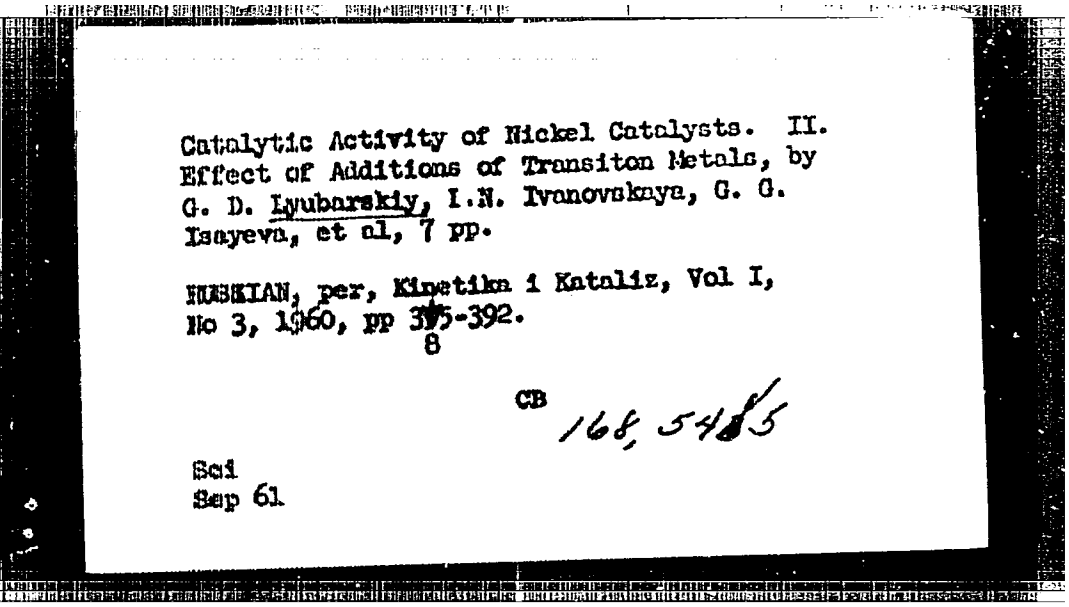

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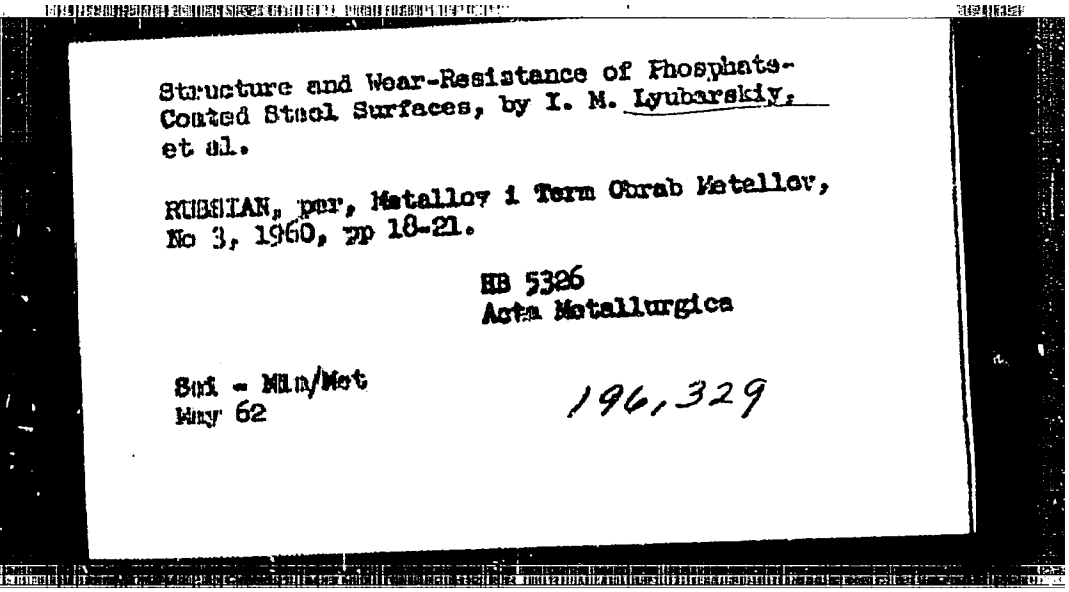

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